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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,020	02/03/2004	Bangalore A. Nagaraj	122779	2019
30952 75	590 11/28/2006		EXAMINER	
HARTMAN AND HARTMAN, P.C.			AUSTIN, AARON	
552 EAST 700 VAIPARAISO,			ART UNIT	PAPER NUMBER
			1775	
•			DATE MAILED: 11/28/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/708,020	NAGARAJ ET AL.	
Examiner	Art Unit	
Aaron S. Austin	1775	•

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•	Aaron S. Austin	1775	
The MAILING DATE of this communication appe	ears on the cover sheet with the c	correspondence add	ress
THE REPLY FILED 06 November 2006 FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
 The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a Not a Request for Continued Examination (RCE) in compliant time periods: a) The period for reply expires months from the mailing date 	the same day as filing a Notice of wing replies: (1) an amendment, affortice of Appeal (with appeal fee) in one with 37 CFR 1.114. The reply more	Appeal. To avoid aba idavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire I	Advisory Action, or (2) the date set forth		
Examiner Note: If box 1 is checked, check either box (a) or TWO MONTHS OF THE FINAL REJECTION. See MPEP 7 Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of ex under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	06.07(f). on which the petition under 37 CFR 1.1 tension and the corresponding amount shortened statutory period for reply origor than three months after the mailing da	36(a) and the appropriation of the fee. The appropring inally set in the final Office.	ite extension fee iate extension fee ice action; or (2) as
2. The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
AMENDMENTS	•		
3. The proposed amendment(s) filed after a final rejection, (a) They raise new issues that would require further co (b) They raise the issue of new matter (see NOTE belo (c) They are not deemed to place the application in belo	onsideration and/or search (see NO ow);	TE below);	
appeal; and/or (d) They present additional claims without canceling a		ected claims.	
NOTE: (See 37 CFR 1.116 and 41.33(a)).		empliant Amandment	(DTOL 224)
 4. The amendments are not in compliance with 37 CFR 1.1 5. Applicant's reply has overcome the following rejection(s) 		impliant Amendment	(PTOL-324).
 5. Applicant's reply has overcome the following rejection(s) 6. Newly proposed or amended claim(s) would be a non-allowable claim(s). 		timely filed amendme	ent canceling the
 7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration: 	•	Il be entered and an e	explanation of
AFFIDAVIT OR OTHER EVIDENCE			•
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e).	~	, ,	
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessar	overcome <u>all</u> rejections under appe	al and/or appellant fa	ils to provide a
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER		•	
11. The request for reconsideration has been considered by See attached comments.		n condition for allowa	nce because:
12. Note the attached Information Disclosure Statement(s). 13. Other:		Su	
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11/21/06

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Response to Arguments

Applicant's arguments filed November 6, 2006 have been fully considered but they are not persuasive.

In particular, Applicant argues in response to the 35 USC 112 rejection paragraph [0019] provides ample support to clarify the claimed invention to one having ordinary skill in the art. Applicant further argues one of ordinary skill in the art would understand that the language "amount sufficient to" would mean "at least twenty-five microcracks per linear inch of surface" in order for the layer to be "more erosion resistant than the inner layer".

The Examiner respectfully disagrees. While it is agreed that "at least twenty-five microcracks per linear inch of surface" is supported by the specification, the specification fails to define "an amount sufficient to" as being at least twenty-five microcracks. Paragraph [0019] states at least twenty-five cracks is preferable, but nowhere does it state this number is the beginning of a range imparting greater erosion resistance to the outer layer. The term "an amount sufficient to" is interpreted as any amount of cracks sufficient to cause the claimed relationship. It is not confined to twenty-five microcracks by definition or by interpretation of the language of the specification. Therefore the rejection is maintained.

In addition, Applicant argues Wisander et al. do not teach cracks extending through the second zirconia layer. However, Wisander et al. teach a first zirconia coating overlayed with a fused second zirconia layer wherein the second layer includes

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microcracks that extend into the first zirconia coating (see claim 5). Thus the microcracks extend throughout the fused second zirconia layer. Therefore the use of Wisander et al. to teach the obviousness of microcracks extending throughout a second zirconia layer in the present rejections is deemed valid.

Applicant also argues Wisander et al. do not teach the cracks as being vertical.

However, for the microcracks of the second zirconia layer to extend into the first zirconia coating they must be formed in a vertical direction relative to the substrate (see claim 5).

Therefore the rejection is maintained.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron S. Austin whose telephone number is (571) 272-8935. The examiner can normally be reached on Monday-Friday: 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer McNeil can be reached on (571) 272-1540. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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ASA

JENNIFER MCNEIL
SUPERVISORY PATENT EXAMINER

11/21/08